

Datasheet for ABIN6699947
HSD17B10 Protein (GST tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	HSD17B10
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD17B10 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	HSD17B10 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human HSD17B10 was expressed using baculovirus in Sf9 cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	HSD17B10
Alternative Name:	HSD17B10 (HSD17B10 Products)
Background:	Synonyms: Hydroxysteroid (17-beta) Dehydrogenase 10, ABAD, ERAB, HCD2, MHBD, HADH2, SCHAD, 17b-HSD10, CAMR, MRPP2, MRX17, MRX31, MRXS10, SDR5C1, DUPXp11.22, 3-hydroxyacyl-CoA dehydrogenase type-2, 17-beta-hydroxysteroid dehydrogenase 10, 3-hydroxy-

Target Details

2-methylbutyryl-CoA dehydrogenase, 3-hydroxyacyl-CoA dehydrogenase type II, Endoplasmic reticulum-associated amyloid beta-peptide-binding protein, Mitochondrial ribonuclease P protein 2, Short-chain type dehydrogenase/reductase XH98G2, Type II HADH

Background: HSD17B10 gene encodes the protein 17-beta-hydroxysteroid dehydrogenase 10 that is a member of the short-chain dehydrogenase/reductase superfamily SCHAD (1).

HSD17B10 gene product is a mitochondrial protein that is involved in lipid metabolism, fatty acid oxidation and steroid hormone metabolism. HSD17B10 protein has been implicated in the development of Alzheimer's disease and mutations in the gene are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Furthermore, HSD17B10 may act as a direct molecular link between beta-amyloid and mitochondrial toxicity (2). HSD17B10 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cellular Stress, and Neurobiology research.

NCBI Accession: [NM_004493](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: HSD17B10 Protein is suitable for use in Western Blot. Expect a band approximately ~51 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: HSD17B10 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months